

Hybrid Mobile Application Development With ASPDotNet

As we can understand by the term hybrid which is mixture of two. So Hybrid mobile applications are the applications where more than two technologies are used for the development of the mobile apps. Which is generally the mix of native application development for mobile and the web development technology such as (ASP.net, java, or PHP). These technologies are used when we want to develop the application which are very flexible in the nature.

If we talk technically then the hybrid apps are the native apps where the HTML codes are embedded. They will have all the benefits that the native apps can have such as the access to the all the required API (Application Programming Interface). And there can be selected parts in the app that will be developed by the web based technologies. Here in the Hybrid app the front end of the application is native. And this can be developed by using any mobile application development language.

So we can suppose that there will be a native container. And there are different containers for different operating system as we know.apk for android devices, .ipk for iOS devices and.xap for windows mobiles. And inside the container means the rest of the part is developed using the web technologies. The web part is developed using the concept of WORA (Write once and run anywhere) so regardless of any operating system it will run for every mobile device.

Now let's see how ASP.NET can be used for the development of the mobile app:

As we have already discussed that the front end is native and the back end can be developed with the use of any web back end. Here **ASP.NET Development** can be a very good choice to implement the hybrid apps. Let's find why

Responsibilities are Separated:

Here the responsibilities are separated by the MVC environment which makes it very easy to define the controls. It helps in the **Software Development** of the mobile friendly HTML pages. Asp.Net offers a very easy model which works with the platform in parallel, makes it very easy to use the AJAX call and the jquery for the client side. And some complex abstractions such as web forms are absent here so there's no issue of complexity to worry about.

Sharing Codes with the Desktop or web Clients:

If we are using any existing application in the ASP MVC then most of the code can be used for the mobile application. Only view needs to be changes and the model and

controller can be shared as it is.

So Hybrid mobile apps are easier to build as only small amount of code is used in the native and are easier to maintain and quicker to build as compare to the native apps. Also the users can get the push updates of the application updates without going to the apps market by the use of HTML back end here. So using this technology if you develop the application for one operating system then using the same code you can deliver it for all type of mobile devices.